

U. S. PLANT PATENT APPLICATION OF

USHIO SAKAZAKI

FOR: CALIBRACHOA PLANT NAMED

‘USCALI17’

SAKAZAKI, Ushio

TITLE: CALIBRACHOA PLANT NAMED 'USCALI17'

APPLICANT: USHIO SAKAZAKI

BOTANICAL CLASSIFICATION/CULTIVAR DESIGNATION:

Calibrachoa sp. cultivar USCALI17

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BACKGROUND OF THE INVENTION

The present Invention relates to a new and distinct cultivar of Calibrachoa plant, botanically known as *Calibrachoa* sp., and hereinafter referred to by the cultivar name 'USCALI17'.

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The new Calibrachoa is a product of a planned breeding program conducted by the Inventor in Hikone, Shiga, Japan . The objective of the program is to create new heat-tolerant and disease-resistant Calibrachoa cultivars with desirable plant habit and attractive flower colors.

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The new Calibrachoa originated from a cross-pollination made by the Inventor on May 10, 1998 of a proprietary seedling selection of Calibrachoa identified as code number CJ20-7, not patented, as the female, or seed, parent with a proprietary seedling selection of Calibrachoa identified as code number CJ19-2, not patented, as the male, or pollen, parent. The new Calibrachoa was selected by the Inventor on June 15, 1999 in a controlled environment in Gensingen, Germany.

Asexual reproduction of the new cultivar by terminal cuttings taken in a controlled environment in Gensingen, Germany since June 25, 1999, has shown that the unique features of this new Calibrachoa are stable and reproduced true to type in successive generations.

5 SUMMARY OF THE INVENTION

Plants of the cultivar USCALI17 have not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, light intensity, daylength, water status and fertility level without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of 'USCALI17'. These characteristics in combination distinguish 'USCALI17' as a new and distinct cultivar of Calibrachoa:

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1. Semi-upright to eventually cascading plant habit.
 2. Freely branching habit.
 3. Freely flowering habit.
 4. Large red purple-colored flowers.
 5. Good weather tolerance; tolerant to rain and low and high
- 20 temperatures.

6. Resistant to *Thielaviopsis*.

Plants of the new Calibrachoa differ primarily from plants of the parent selections in plant habit as plants of the female selection are more upright than plants of the new Calibrachoa and plants of the male parent are more creeping than plants of the new Calibrachoa.

Plants of the new Calibrachoa can be compared to plants of the cultivar Million Bells Trailing Pink, not patented. In side-by-side comparisons conducted in Gensingen, Germany, plants of the new Calibrachoa had a more upright plant habit than plants of the cultivar Million Bells Trailing Pink. In addition, plants of the new Calibrachoa and the cultivar Million Bells Trailing Pink differed in flower color.

Plants of the new Calibrachoa can also be compared to plants of the cultivar Colorburst Pink, not patented. In side-by-side comparisons conducted in Gensingen, Germany, plants of the new Calibrachoa had a more upright plant habit than plants of the cultivar Colorburst Pink. In addition, plants of the new Calibrachoa and the cultivar Colorburst Pink differed in flower color.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new cultivar, showing the colors as true as it is

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reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new Calibrachoa. The photograph at the top of the sheet comprises
5 a side perspective view of a typical plant of 'USCALI17' grown in a container. The photograph at the bottom of the sheet is a close-up view of typical flowers and leaves of 'USCALI17'.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to the Royal
10 Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used. Plants grown in 15-cm containers for about five weeks were used for the aforementioned photographs and following description. Plants were grown under conditions which closely approximate commercial production conditions
15 during the summer in an outdoor nursery in Bonsall, California. During the production period, day temperatures ranged from 18 to 35°C and night temperatures ranged from 7 to 18°C.

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BOTANICAL CLASSIFICATION:

Calibrachoa sp. cultivar USCALI17.

PARENTAGE:

5 Female, or seed, parent: Proprietary seedling selection of
Calibrachoa sp. identified as code number CJ20-7, not patented.

Male, or pollen, parent: Proprietary seedling selection of
Calibrachoa sp. identified as code number CJ19-2, not patented.

PROPAGATION:

10 Type cutting: Terminal vegetative cuttings.

Time to initiate and develop roots:

Summer: About three weeks at 20°C.

Winter: About four weeks at 20°C.

Root description: Fine, freely-branching; whitish in color.

PLANT DESCRIPTION:

15 Form/habit: Annual flowering plant; initially upright to semi-
upright, eventually somewhat cascading; uniformly mounded
appearance. Moderate growth rate; vigorous.

Usage: Appropriate for hanging baskets, window boxes and patio
containers.

20 Plant height (from soil level to top of plant plane): About 17 cm.

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Plant diameter (area of spread): About 48 cm.

Branching habit: Freely branching, about eight primary branches and multiple secondary lateral branches per plant; pinching enhances lateral branch development.

5 Lateral branch description:

Length: About 28 cm.

Diameter: About 2.5 mm.

Internode length: About 1.2 cm.

Texture: Coarse; pubescent.

10 Color: 144A.

Foliage description:

Arrangement: Alternate until flowering, then opposite; simple.

Length: About 3 cm.

15 Width: About 1.1 cm.

Shape: Obovate.

Apex: Broadly acute to rounded.

Base: Attenuate.

Margin: Entire.

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Texture, upper and lower surfaces: Slightly glandular; slightly pubescent.

Venation pattern: Pinnate; arcuate.

Color:

5 Developing foliage, upper and lower surfaces: 146A.

Fully expanded foliage, upper surface: 147A.

Fully expanded foliage, lower surface: 147B.

Venation, upper surface: 147B.

Venation, lower surface: 147C.

10 Petiole:

Length: About 8 mm.

Diameter: About 2 mm.

Color: 144B.

FLOWER DESCRIPTION:

15 Flower type and habit: Flowers face upright or outwardly; single, axillary; salverform. Flowers persistent. Freely flowering habit, about 42 flower buds and open flowers per lateral stem. Flowers not fragrant.

20 Natural flowering season: April to October in Southern California; flowering continuous during this period.

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Time to flower: Early flowering; plants begin flowering about four weeks after planting.

Flower longevity on the plant: About one week.

Flower size:

5 Diameter: About 2.7 cm.

 Tube length: About 2.7 cm.

Flower buds:

 Length: About 1.6 cm.

 Diameter: About 4 mm.

10 Shape: Elongated oblong.

 Color: More gray than 185D.

Corolla:

 Arrangement/appearance: Single whorl of five petals, fused into flared trumpet.

15 Petal length from throat: About 1 cm.

 Petal width: About 1.3 cm.

 Throat diameter: About 8 mm.

 Petal shape: Roughly spatulate to obovate.

 Petal apex: Obtuse, rounded.

20 Petal margin: Entire.

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Petal texture, upper and lower surfaces: Smooth, glabrous; velvety.

Color:

- 5 Petal, when opening, upper surface: 74A.
- Petal, when opening, lower surface: 60C.
- Petal, opened flower, upper surface: 74A to 74B; color becoming closer to 80C with development; venation, 61A becoming closer to 71B with development.
- 10 Petal, opened flower, lower surface: 71C; venation, 71C.
- Flower throat (inside): 12A.
- Flower tube (outside): 10A.

Sepals:

- 15 Arrangement/appearance: Single whorl of five sepals, fused at base; star-shaped.
- Length: About 8 mm.
- Width: About 2 mm.
- Shape: Lanceolate.
- 20 Apex: Acute.

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Margin: Entire.

Texture, upper and lower surfaces: Smooth, glabrous.

Color, upper and lower surfaces: 146A.

Peduncles:

5 Length: About 1.8 cm.

Width: About 1 mm.

Strength: Strong.

Angle: About 45 to 60° from stem axis.

Texture: Glabrous, smooth.

10 Color: 144B.

Reproductive organs:

Stamens:

Quantity: Five per flower.

Anther shape: Rounded.

15 Anther length: About 1 mm.

Anther color: 10A.

Pollen amount: Scarce.

Pollen color: 10A.

Pistils:

20 Quantity: One per flower.

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Pistil length: About 1.1 cm.

Stigma shape: Rounded.

Stigma color: 145A.

Style length: About 9 mm.

5 Style color: 145D.

Ovary color: 145A.

Seed/fruit: Seed and fruit production has not been observed.

DISEASE/PEST RESISTANCE:

10 Plants of the new Calibrachoa have been noted to be resistant to *Thielaviopsis*. Plants of the new Calibrachoa have not been noted to be resistant to other pathogens and pests common to Calibrachosas.

WEATHER/TEMPERATURE TOLERANCE:

15 Plants of the new Calibrachoa are tolerant to rain and wind and have been observed to tolerate temperatures from -4 to 38°C.